

15 NOV 1977

MEMORANDUM FOR: Chief, Physical Security Division, OS

VIA: Acting Chief, Real Estate and Construction
Division, OL

FROM: [REDACTED] STATINTL
Chief, Headquarters Engineering Branch,
RECD/OL

SUBJECT: Fire Protection Requirements for Project
SAFE

REFERENCE: Memo dtd 3 Oct 77 to C/HEB fm C/PhySD,
same subj.

1. This Office is in general agreement with your comments regarding safety requirements to be incorporated into the construction projects associated with Project SAFE. We must take exception to paragraph 1. k, which recommends a wet pipe sprinkler system for C Vault. C Vault has been in design since 1974, and in June 1975 Safety Staff reviewed the draft drawings for this project and had no comments. These drawings do not call for the installation of a sprinkler system in the vault.

2. In addition, your comments recommend that "any renovations to C Vault be performed in the same manner as B Vault". B Vault does not have a sprinkler system due to the inherent danger of having water in a room containing electrical, particularly high voltage (15 kV) type equipment. It is pointed out that the National Fire Protection Association National Fire Codes, Volume 13 par 4 - 4.14 requires that noncombustible hoods or shields must be installed in a transformer room to protect important electrical equipment. It is submitted that since transformer vault C will house only electrical equipment that is not designed to be drip proof, effectively the whole room must be shielded against a discharge of water.

3. Additionally, the only flammable material in the room consists of insulation on the wires and polychlorinated biphenyls in the transformers. The insulation is enclosed in steel conduit and 11 gauge metal clad switchgear cubicles and is nowhere exposed. The transformer fluid which would be released if a tank

OL 7 5171

SUBJECT: Fire Protection Requirements for Project SAFE

rupture occurred is extremely toxic and absolutely nonbiodegradable and is supposedly nonflammable. It is enclosed by a concrete and masonry dike to prevent it escaping the area. A water stream would float it over the dike and cause serious hazards throughout the drainage discharge area. The net result would seem to be far more disadvantageous than helpful.

4. For the above reasons, this Office requests a reconsideration of your recommendation to install a sprinkler system in C Vault or any electrical vault so equipped.

STATINTL

Distribution:

Orig. - Addressee
1 - OL/RECD/HEB Official
1 - OL/RECD
1 - OL/RECD/HEB Chrono
1 - OL Reader

STATINTL OL/RECD/HEB, [REDACTED] file/7543 (11 Nov 77)

Re: North-side Computer Center
Renovations
CIA Headquarters Building
GS-03B-78177/79023
11 NOV 1977

Mr. Frank L. Miles
Project Coordinator, Design
Construction Management Division
Regional Public Buildings Service
General Services Administration
Washington, D. C. 20407

Dear Frank:

In conjunction with both the north-side computer center and the ADSTAR projects, the enclosed drawings serve as an initial transmittal of information for [REDACTED]

Three sets of Agency layout drawings covering the north-east corners of both the ground and first floors of the Headquarters Building delineates all existing architectural partitioning. The quasi as-built HVAC details for the ground floor area of the north side [REDACTED] indicated on [REDACTED] drawings 9W7 and 9W8 of contract GS-008-00948. In addition, the entire set of construction drawings from the 1D16 computer room expansion project, contract no. GS-03B-03303 are also included for reference. Also, the entire Headquarters Building water system diagrams by [REDACTED] contract [REDACTED] have also been duplicated.

A preliminary utility support projection was done on the north-side computer area for both electrical power and air-conditioning heat loads based on an assumed computer system. Indicated is the equipment loads exclusive of room lighting, miscellaneous equipment, center air handlers, and an assumed center people population most of which will be handled by MCW. In addition, the following Headquarters Building drawings, for which the General Services Administration (GSA) has the originals, would be useful. 9 HVAC -15, -86, and -89, as well as architectural 5-106. It is presumed these are in GSA archives storage.

Mr. Frank L. Miles

Page--2

I will continue to document information concerning both of these contracts in letters of this type as the information is generated. I am extracting both the Safety and Security requirements and anticipate having these comments to you during the week of 7 November.

Sincerely,

STATINTL

181
[REDACTED]
Chief, Mechanical Section,
HEB/RECD/OL

Atts

Distribution

- Orig. - Addressee, w/atts
1 - OL/RECD/HEB Official, w/o atts
~~1~~ - OL/RECD, w/o atts
1 - OL/RECD/HEB Chrono, w/o atts
1 - OL Reader, w/o atts

STATINTL

OL/RECD/HEB [REDACTED] jle/7543 (7 Nov 77) (letterhead)

RELEASE 2001/04/05 CIA-RDP80-01195R000200050 SENDER WILL CHECK CLASSIFICATION TOP AND BOTTOM			
UNCLASSIFIED		CONFIDENTIAL	
OFFICIAL ROUTING SLIP			
TO	NAME AND ADDRESS	DATE	INITIALS
1	C/MS/HEB/RECD/OL	7 Nov 77	HS
2	C/HEB/RECD/OL	"	Pgk
3	A-C/RECD/OL 2F09 [REDACTED]	10 Nov 77	AL
4	Addressee	10 Nov 77	
5			
6			
ACTION	DIRECT REPLY	PREPARE REPLY	
APPROVAL	DISPATCH	RECOMMENDATION	
COMMENT	FILE	RETURN	
CONCURRENCE	INFORMATION	SIGNATURE	
Remarks:			
FOLD HERE TO RETURN TO SENDER			
FROM: NAME, ADDRESS AND PHONE NO.			DATE
OL/RECD/HEB 3E24 Hqs x7543			11-7-77

FORM NO. 227 Use previous editions

(40)